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Substitute for form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)		Complete if Known	
		Application Number	09/514,113
		Filing Date	February 25, 2000
		First Named Inventor	Frank B. Dean
		Group Art Unit	1646-1055
		Examiner Name	SISSON, B.L.
Sheet 1 of 7	Attorney Docket Number	MSI 100	

U.S. PATENT DOCUMENTS						
Examiner Initials*	Cite No. ¹	US Patent Document		Name of Patentee or Applicant of Cited Document	Date of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code ² (if known)			
B21		5,573,907		Carrino, et al.	11-12-1996	
		5,792,607		Backman, et al.	08-11-1998	
		5,854,033		Lizardi	12-29-1998	
B21		6,001,611		Will	12-14-1999	

FOREIGN PATENT DOCUMENTS								
Examiner Initials*	Cite No. ¹	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁸
		Office. ³	Number ⁴	Kind Code ⁵ (if known)				
B21		WO	97/16566	A1	Smith, et al.	05-06-1997		
B21		WO	97/19193	A2	Lizardi, et al.	05-29-1997		
B21		WO	99/18241	A1	Lizardi	04-15-1999		

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		Group Art Unit	1655
		Examiner Name	51550N
		Attorney Docket Number	MSI 100
Sheet 1	of 7		

OTHER ART -- NON PATENT LITERATURE DOCUMENTS			
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B.F.		ASSELINE, et al., "Solid-phase preparation on 5', 3'-Heterobifunctional oligonucleotides using modified solid supports," <i>Tetrahedron</i> 48:1233-1254 (1992).	
		BANÉR, et al., "Signal amplification of padlock probes by rolling circle replication," <i>Nucleic Acids Res.</i> 26(22):5073-8 (1998).	
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		CONNOLLY & RIDER, "Chemical synthesis of oligonucleotides containing a free sulphhydryl group and subsequent attachment of thiol specific probes," <i>Nucleic Acids Res.</i> 13(12):4485-502 (1985).	
B.F.		CONNOLLY, "The synthesis of oligonucleotides containing a primary amino group at the 5'-terminus," <i>Nucleic Acids Res.</i> 15(7):3131-9 (1987).	

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		Filing Date	February 25, 2000
		First Named Inventor	Frank B. Dean
		Group Art Unit	16.55
		Examiner Name	SLISSON, B.
Sheet 3 of 7	Attorney Docket Number	MSI 100	

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818		CRAXTON, et al., "Linear amplification sequencing, a powerful method for sequencing DNA," <i>Methods: A Companion in Methods in Enzymology</i> 3:20-26 (1991).	
		DOLINNAYA, et al., "Oligonucleotide circularization by template-directed chemical ligation," <i>Nucleic Acids Res.</i> 21(23):5403-7 (1993).	
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818		JABLONSKI, et al., "Preparation of oligodeoxynucleotide-alkaline phosphatase conjugates and their use as hybridization probes," <i>Nucleic Acids Res.</i> 14(15):6115-28 (1986).	

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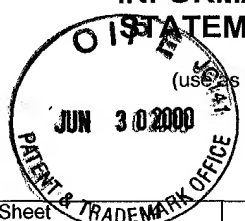
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		Filing Date	February 25, 2000
		First Named Inventor	Frank B. Dean
		Group Art Unit	1655
		Examiner Name	S. L. S. W. B. C.
Sheet 1 of 7	Attorney Docket Number	MSI 100	

OTHER ART -- NON PATENT LITERATURE DOCUMENTS			
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B.F.		JONES, et al., "Studies on the alkylation of 2', 3'-O-isopropylideneuridine," <i>J. Carbohydrates, Nucleosides, Nucleotides</i> 4:301-6 (1977).	
		JUN-DONG & LI-HE, "Application of Wittig reaction to adenosine derivatives," <i>Synthesis</i> 909-911 (1990).	
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		LANDEGREN, et al., "A ligase-mediated gene detection technique," <i>Science</i> 241:1077-1080 (1988).	
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		LIZARDI, et al., "Mutation detection and single-molecule counting using isothermal rolling-circle amplification," <i>Nat. Genet.</i> 19(3):225-32 (1998).	
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B.F.		MATRAY & KOOL, "A specific partner for abasic damage in DNA," <i>Nature</i> 399(6737):704-8 (1999).	

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		Filing Date	February 25, 2000
		First Named Inventor	Frank B. Dean
		Group Art Unit	1655
		Examiner Name	Sisson, B.L.
		Attorney Docket Number	MSI 100
Sheet 5	of 7		

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B.F.		MORAN, et al., "Non-hydrogen bonding 'terminator' nucleosides increase the 3'-end homogeneity of enzymatic RNA and DNA synthesis," <i>Nucleic Acids Res.</i> 24(11):2044-52 (1996).	
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		ROBINS & WOUK, "Fluorination at C5' of nucleosides, synthesis of the new class of 5'-Fluoro-5'-S-Aryl (Alkyl) thionucleosides from adenosine," <i>Tetrahedron Lett.</i> 29:5729-32 (1988).	
		SALUNKHE, et al., "Control of folding and binding of oligonucleotides by use of a nonnucleotide linker," <i>J. Amer. Chem. Soc.</i> 114:8768-8772 (1992).	
B.F.		SÉQUIN, "Nucleosides and nucleotides. Part 7. Four dithymidine monophosphates with different anomeric configurations, their synthesis and behaviour towards phosphodiesterases," <i>Helv. Chim. Acta.</i> 57(1):68-81 (1974).	

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B.L.		SINHA & COOK, "The preparation and application of functionalised synthetic oligonucleotides: III. Use of H-phosphonate derivatives of protected amino-hexanol and mercapto-propanol or -hexanol," <i>Nucleic Acids Res.</i> 16(6):2659-69 (1988).	
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		STUMP, et al., "The use of modified primers to eliminate cycle sequencing artifacts," <i>Nucleic Acids Res.</i> 27(23):4642-8 (1999).	
		TAKASUGI, et al., "Sequence-specific photo-induced cross-linking of the two strands of double-helical DNA by a psoralen covalently linked to a triple helix-forming oligonucleotide," <i>Proc. Natl. Acad. Sci. U. S. A.</i> 88(13):5602-6 (1991).	
		TAKESHITA, et al., "Oligodeoxynucleotides containing synthetic abasic sites. Model substrates for DNA polymerases and apurinic/apyrimidinic endonucleases," <i>J. Biol. Chem.</i> 262(21):10171-9 (1987).	
		TANAKA, et al., "Cleavage of a nucleosidic oxetane with carbanions: synthesis of a highly promising candidate for anti-HIV agents: A phosphokate isosters O AZI' 5'-phosphate," <i>Tetrahedron Lett.</i> 30:2567-2570 (1989)	
		THOMAS, et al., "Amplification of padlock probes for DNA diagnostics by cascade rolling circle amplification or the polymerase chain reaction," <i>Arch. Pathol. Lab. Med.</i> 123(12):1170-6 (1999).	
	THOUNG & CHASSIGNOL, "Solid phase synthesis of oligo- and oligo- -deoxynucleotides," <i>Tetrahedron Lett.</i> 29:5905-8 (1988).		
B.L.		WALKER, et al., "Strand displacement amplification--an isothermal, in vitro DNA amplification technique," <i>Nucleic Acids Res.</i> 20(7):1691-6 (1992).	

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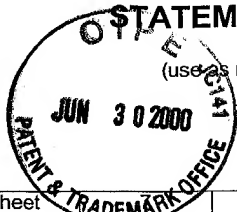
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		WILL, et al., "The synthesis of oligonucleotides that contain 2,4-dinitrophenyl reporter groups," <i>Carbohydr. Res.</i> 216:315-22 (1991).	
		ZHANG, et al., "Amplification of target-specific, ligation-dependent circular probe," <i>Gene</i> 211(2):277-85 (1998).	
B.F.		ZUCKERMANN, et al., "Efficient methods for attachment of thiol specific probes to the 3'-ends of synthetic oligodeoxyribonucleotides," <i>Nucleic Acids Res.</i> 15(13):5305-21 (1987).	

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